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To the Federal Communications Commission (FCC),

I am writing this letter in regards to the FCC's latest proceeding FCC 13-39 on its Radiofrequency (RF) Radiation exposure policy. I applaud you for re-evaluating your exposure policy.

Multiple countries have re-evaluated their exposure policies. Some countries have made changes to their policies to lower the RF/EMF output of cell phone towers; even some countries have demolished their cell phone towers. Why you ask? It's because cell phones and cell phone towers can cause many health issues. The World Health Organization lists mobile phone use in the same "carcinogenic hazard" category as lead, engine exhaust and chloroform.

The microwave radiation that comes off of a cell tower may not heat you the way a microwave oven does. However, it can upset your bodies cellular system as your cells see this weak microwave as a form of attack and in close proximity to the tower (approximately 200 meters away) can go into lock down mode. In return the body changes its ingesting nourishment or releasing waste this will eventually lead to serious illness and may be a simple explanation for the explosion in migraines and Alzheimer's in recent times. Based on my research, cell tower radiation is seen by the brain as a bright light and interrupts the sleep inducing and cancer suppressant melatonin. This may be the simple explanation for the many documented cancer clusters that are found around older cell tower installations.

Recently, I have purchased an Extech 8 GHZ RF/EMF Strength Meter and familiarized myself with its proper utilization. I have conducted many tests in multiple areas both near cell phone towers and then further away. I have included some of these test results along with this letter as an attachment.

Again, reassess the current RF energy exposure limit, including its effects on human health, the costs and benefits associated with keeping the current limit, and the opinions of relevant health and safety agencies, and change the limit if determined appropriate. In addition, reassess whether mobile phone testing requirements result in the identification of maximum RF energy exposure in likely usage configurations, particularly when mobile phones are held against the body, and update testing requirements as appropriate.

Following your re-evaluation of your policy if no changes are made and I am diagnosed with medical issues and/or cancer due to my living near a cell phone tower I will be spending all of my resources, time, and money to sue the US Government (FCC) for not protecting me and my family from a "carcinogenic hazard".

Please see other attachments for RF/EMF field testing documentation using a meter.

Sincerely,

Sean Graham

Mr. Sean Graham

\* Included below is information added to a petition I created through “MoveOn Petitions” (<http://petitions.moveon.org/sign/us-fcc-policy-change>):

### **US FCC policy change to lower EMF/RF**

The possible dangers of cell phone towers are wide-reaching and numerous. Some people may only consider the issues of cell phones and driving safety, but the chronic exposure to cellular radiation may have some harmful effects as well. Moreover, many people assume that the radiation isn't that bad because cell phone towers are away from populations; the fact of the matter is that cell phone towers have been erected right in our communities, getting attached to schools, churches, firehouses, and even national parks.

Health concerns related to exposure to cell towers are:

- Abnormal cell growth promotion
- DNA damage
- Reduced immune system competence
- Sleeplessness, irritability, anxiety, depression
- Weakened blood-brain barrier
- Childhood and adult leukemia
- Eye cancer
- Infertility and miscarriage
- Attention span deficit and general memory loss
- Sleep disturbance and chronic fatigue
- Brain tumors
- Cardiac problems

Health effects of cell phone towers are not only restricted to humans. A study conducted by the Institute of Pharmacology, Toxicology and Pharmacy of the Veterinary School of Hanover (Germany) found that dairy cows were affected by their proximity to cell phone tower sites. The cows had reduced milk production and increased behavioral abnormalities. When the cows were removed from the area, the strange behavior subsided after five days. Upon returning to the antenna site, the symptoms returned.

So, if you live within a quarter mile of a cell phone antenna or tower, you may be at risk of serious harm to your health, according to a German study cited at [www.EMF-Health.com](http://www.EMF-Health.com), a site devoted to exposing hazards associated with electromagnetic frequencies (EMF) from cell phone towers and other sources.

Cancer rates more than tripled among people living within 400 meters of cell phone towers or antennas, a German study found. Those within 100 meters were exposed to radiation at 100 times normal levels. An Israeli study found that the risk of cancer quadrupled among people living within 350 meters (1,148

feet) of a cell phone tower/transmitter. Both studies focused only on people who had lived at the same address for many years.

Other studies have found that levels of radiation emitted from cell phone towers can damage cell tissues and DNA, causing miscarriage, suppressing immune function, and causing other health problems. Cell phones and cell phone towers have been labeled as being a “possible carcinogen”.

In Sweden, the government requires interventions to protect the public from EMF. Why isn't the United States (US) government paying attention to this potential risk to public safety? Astoundingly, the US federal government does not allow rejection of a cell phone tower based on health risks.

I have personally completed testing using an EMF/RF (radio frequency) meter. Internet based research advises of several other individuals who have also conducted tests and complained the measurements are above the Federal Communications Commission (FCC) limits. So when does the FCC check back on these towers and retest these sites? Several other countries have done their own research and mandated the removal of cell phone towers near schools, hospitals, and residential communities. However, the US FCC still has made no change.

Even with cell phone towers meeting the current US FCC limitations people are still experiencing health issues. Yet over 1.9 million cell phone towers and antennae have been approved nationwide without any federal studies to assure safety of those living nearby.

It has been fifteen (15) years that people have been asking for the FCC to reassess its RF radiation exposure limits and policies. The FCC is possibly going to consider changes to its rules regarding human exposure to RF radiation than can potentially cause several issues in animals and humans. If interested in assisting please read more at <http://emrpolicy.org/news/action/index.htm> or <http://tech2.in.com/features/general/mobile-phone-tower-radiation-a-cause-of-concern/523402>. Feel free to include any of your research or simply send a comment/letter as an attachment asking for change to be made. The 150-day Reply deadline is November 1, 2013.

Petition: DO NOT be pressured by major cell phone companies with deep pockets!!! We are requesting the US government (FCC) continue reassessing exposure limits and policies. Make changes to your policy to drastically lower the EMF/RF levels that cell phones and cell phone towers are allowed to output.